
Product Data Sheet

Product Name: NCBP2 Human
 Cat. No.: GP24010
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CBP20; NIP1; Cell Proliferation-Inducing Gene 55 protein; NCBP-Interacting Protein 1; Cbc2; CBC2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSGLLKALR SDSVELSQY RDQHFRGDNE EQEKLLKSC TLYVGNLSFY TEEQIYELF SKSGDIKKII MGLDKMKKTA CGFCFVEYYYS RADAENAMRY INGTRLDDRI IRTDWDAGFK EGRQYGRGRS GGQVRDEYRQ DYDAGRGGYG KLAQNQ		
Formulation	The NCBP2 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 20% glycerol.		

Introduction

NCBP2 is a part of the nuclear cap-binding protein complex (CBC) that binds to the monomethylated 5' cap of nascent pre-mRNA in the nucleoplasm. NCBP2 protein has an RNP domain usually located in RNA binding proteins, and contains the cap-binding activity. CBC promotes pre-mRNA splicing, 3'-end processing, RNA nuclear export, and nonsense-mediated mRNA decay.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Background

NCBP2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids (1-156a.a.) and having a molecular mass of 20.1kDa. NCBP2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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